

A B S T R A C T

A device (1) for controlling the charging of a battery (2) of secondary electrochemical cells (7), the device being interfaced between a battery charger (3), the battery, and a piece of electrical equipment (4), and comprising firstly measurement means (6) delivering measurements of a first physical magnitude representative of at least one voltage (V) across the terminals of at least a portion of the battery (2), and of a second physical magnitude representative of at least one temperature (T) of at least a portion of the battery (2), and secondly control means (8) capable of determining, as a function of the measured first and second magnitudes, an electrical reference value enabling the battery (2) to be maintained in a selected state of charge and at a mean temperature substantially below a selected threshold by means of a continuous low current at constant voltage.